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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/671,941	09/27/2000	Steven R. Tugenberg	GE04609	6202

22863 7590 05/05/2003

MOTOROLA, INC.
CORPORATE LAW DEPARTMENT - #56-238
3102 NORTH 56TH STREET
PHOENIX, AZ 85018

EXAMINER

BACKER, FIRMIN

ART UNIT	PAPER NUMBER
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3621

DATE MAILED: 05/05/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/671,941

Applicant(s)

TUGENBERG ET AL.

Examiner

Firmin Backer

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 September 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 9/27/00 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ 6) ☐ Other: _____

DETAILED ACTION

This is in response to a letter for patent filed on September 27th, 2000 in which claims 1-19 are presented for examination. Claims 1-19 are pending in the letter.

Claim Objections

1. Claim 1 is objected to because of the following informalities: Applicant disclosed in paragraph 4 “*encrypting the credit card number...; and*” and in paragraph 5 “*and transferring ... to a destination.*” Applicant is advised to delete one of the “*ands*” in order to overcome Examiner’s objection to the claim’s language.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Matsushima et al (U.S. Patent Granted Pub. 2002/0161722).

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4. As per claim 1, 12, Matsushima et al teach a method for purchasing items (*a service providing apparatus*) over a network (*network such as the internet*) using a secure communication device (*information processing apparatus*) (see figs 1, 3, page 1 paragraph 0008, page 3 paragraph 0050, 0059), the secure communication device including a host processor (*recording medium, 110*), a secure memory (*secure data area, 111*) that includes a laser-scribed encryption key (*prestore secret key*), and a non-secure memory (*non-secured data area, 112*) for storing encrypted data (*encrypted personal information such credit card*) wherein sensitive data (*personal information*) is encrypted within the secure memory using the laser-scribed encryption key (*prestore secret key*) and stored as encrypted data in the non-secure memory (see page 3 paragraph, 0051, 4 paragraph 0063, 0066, 0067, 0070, 0071, 0072, 0074, 0075), comprising retrieving an encrypted credit card number (*receive from the file serve encrypted personal information*) and an encrypted secret key (*secret key*) from the non-secure memory (*nonsecured memory, 112*) (see fig 2, page 4 paragraph 0072, 0074, 0075, 0081, 0087) decrypting (*decrypting*) the encrypted credit card (*credit card information*) and secret key (*media ID*) with the laser-scribed encryption key (*prestore secret key*) (fig 5, page 5 paragraph, 0083) encrypting (*encrypting*) the credit card number (*personal information*) with a communication encryption key (*public key*), the communication encryption key being related to the secret key (see paragraph 0086); and transferring (*transmitting*) the credit card number, as encrypted with the communication encryption key, over the network to a destination (*file server 130*) (see fig 23, page 6 paragraph 0103, 0104).

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5. As per claim 2, Matsushima et al teach a method wherein the encrypted data is decrypted within the secure memory using the laser-scribed encryption key and stored within the secure memory for use by the host processor (*see page 3 paragraph, 0051, 4 paragraph 0063, 0066, 0067, 0070, 0071, 0072, 0074, 0075*).

6. As per claim 3, Matsushima et al teach a method further comprising receiving a personal identification number (PIN) from a user, decrypting an encrypted PIN with the laser-scribed encryption key, wherein transferring the encrypted credit card number is performed when the decrypted PIN and the PIN received from the user compare (*see page 3 paragraph, 0051, 4 paragraph 0063, 0066, 0067, 0070, 0071, 0072, 0074, 0075*).

7. As per claim 4, 13, Matsushima et al teach a method further comprising receiving biometric information from a user; decrypting stored biometric information for the user with the laser-scribed encryption key, performed when the decrypted biometric information compares with the biometric information received from the user (*see page 3 paragraph, 0051, 4 paragraph 0063, 0066, 0067, 0070, 0071, 0072, 0074, 0075*).

8. As per claim 5, Matsushima et al teach a method wherein the communication encryption key is a common session key and wherein the method further comprises the step of generating the session key using the secret key and information provided by the destination (*see figs 1, 3, page 1 paragraph 0008, page 3 paragraph 0050, 0059*).

9. As per claim 6, 14, Matsushima et al teach a method wherein the host processor and secure memory are fabricated on an integrated circuit chip, and the encrypted data is stored in a non-volatile memory (*see figs 1, 3*).

10. As per claim 7, 15, Matsushima et al teach a method wherein the laser-scribed encryption key is generated by laserscribing a semiconductor die during fabrication of the secure memory to create a plurality of fixed "ones" and "zeroes" which make up the laser-scribed encryption key (*see paragraph 0086*).

11. As per claim 8, 16, Matsushima et al teach a method wherein the laser-scribed encryption key is generated burning onetime programmable fuses on a semiconductor die during fabrication of the secure memory to create a plurality of fixed "ones" and "zeroes" which make up the laser-scribed encryption key (*see paragraph 0086*).

12. As per claim 9, 17, Matsushima et al teach a method wherein the secure memory includes blocking gates coupled between the laser-scribed encryption key and encryption logic circuitry, the blocking gates being comprised of logic gates and have a blocking control signal input preventing access to the laser-scribed encryption key by the encryption logic circuitry.

13. As per claim 10, 18, Matsushima et al teach a method wherein the laser-scribed encryption key is unique for each secure memory of a plurality of secure memories of different processing systems (*see fig 1 and 3*).

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14. As per claim 11, 19, Matsushima et al teach a method wherein the laser-scribed encryption key is randomly generated for each secure memory of a plurality of secure memories of different processing systems (*see figs 1 and 3*).

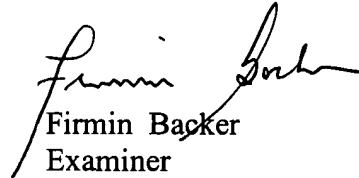
Conclusion

15. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. (*see form 892*).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Firmin Backer whose telephone number is (703) 305-0624. The examiner can normally be reached on Mon-Thu 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Trammell can be reached on (703) 305-9768. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 305-7687 for regular communications and (703) 305-7687 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1113.


Firmin Backer
Examiner
Art Unit 3621

April 29, 2003